

Coast Guard, DHS

§ 165.756

Oil dock or the Catano Oil dock in approximate position 18-25.8N, 66-06.5W. All coordinates referenced use datum: NAD 83.

(2) The waters around Liquefied Petroleum Gas ships departing San Juan Harbor in an area one half mile around each vessel beginning at either the Gulf Refinery Oil dock or Catano Oil dock in approximate position 18-25.8N, 66-06.5W when the vessel gets underway, and continuing until the stern passes the San Juan Harbor #1 Sea Buoy, in approximate position 18-28.3N, 66-07.6W. All coordinates referenced use datum: NAD 83.

(b) *Regulations.* (1) No person or vessel may enter, transit or remain in the safety zone unless authorized by the Captain of the Port, San Juan, Puerto Rico, or a designated Coast Guard commissioned, warrant, or petty officer.

(2) Vessels encountering emergencies which require transit through the moving safety zone should contact the Coast Guard patrol craft on VHF Channel 16. In the event of an emergency, the Coast Guard patrol craft may authorize a vessel to transit through the safety zone with a Coast Guard designated escort.

(3) The Captain of the Port and the Duty Officer at Sector San Juan, Puerto Rico, can be contacted at telephone number 787-289-2041. The Coast Guard Patrol Commander enforcing the safety zone can be contacted on VHF-FM channels 16 and 22A.

(4) Coast Guard Sector San Juan will notify the marine community of periods during which these safety zones will be in effect by providing advance notice of scheduled arrivals and departures of Liquefied Petroleum Gas vessels via a marine broadcast Notice to Mariners.

(5) Should the actual time of entry of the Liquefied Petroleum Gas vessel vary more than one half hour from the scheduled time stated in the broadcast Notice to Mariners, the person directing the movement of the Liquefied Petroleum Gas vessel shall obtain permission from Captain of the Port San Juan before commencing the transit.

(6) All persons and vessels shall comply with the instructions of on-scene patrol personnel. On-scene patrol personnel include commissioned, warrant,

or petty officers of the U.S. Coast Guard, Coast Guard Auxiliary and local or state officials may be present to inform vessel operators of the requirements of this section, and other applicable laws.

[COTP SAN JUAN 97-045, 63 FR 27681, May 20, 1998, as amended by USCG-2001-9286, 66 FR 33641, June 25, 2001; USCG-2008-0179, 73 FR 35017, June 19, 2008]

§ 165.755 Safety Zone; Guayanilla, Puerto Rico

(a) The following area is established as a safety zone during the specified conditions:

(1) A 100 yard radius surrounding a vessel carrying Liquefied Natural Gas (LNG) while transiting north of Latitude 17°56.0' N in the waters of the Caribbean Sea, on approach to or departure from the Eco-Elctrica waterfront facility in Guayanilla Bay, Puerto Rico. The safety zone remains in effect until the LNG vessel is docked at the Eco-Elctrica waterfront facility or south of Latitude 17°56.0' N.

(2) The waters within 150 feet of a LNG vessel when the vessel is alongside the Eco-Elctrica waterfront facility in Guayanilla Bay, at position 17°58.55' N, 066°45.3' W. This safety zone remains in effect while the LNG vessel is docked with product aboard or is transferring LNG.

(b) In accordance with the general regulations in 165.23 of this part, anchoring, mooring or transiting in these zones is prohibited unless authorized by the Coast Guard Captain of the Port.

(c) Coast Guard Sector San Juan will notify the maritime community of periods during which the safety zones will be in effect by providing advance notice of scheduled arrivals and departures of LNG vessels via a marine broadcast Notice to Mariners.

[COTP San Juan 00-095, 66 FR 16870, Mar. 28, 2001, as amended by USCG-2008-0179, 73 FR 35017, June 19, 2008]

§ 165.756 Regulated Navigation Area; Savannah River, Georgia.

(a) *Regulated Navigation Area (RNA).* The Savannah River between Fort Jackson (32°04.93' N, 081°02.19' W) and the Savannah River Channel Entrance Sea Buoy is a regulated navigation

area when an LNG tankship in excess of heel is transiting the area or moored at the LNG facility. All coordinates are North American Datum 1983.

(b) *Definitions.* The following definitions apply to this section:

Bare steerage way means the minimum speed necessary for a ship to maintain control over its heading.

Bollard pull means an industry standard used for rating tug capabilities and is the pulling force imparted by the tug to the towline. It means the power that an escort tug can apply to its working line(s) when operating in a direct mode.

Direct mode means a towing technique defined as a method of operation by which a towing vessel generates towline forces by thrust alone at an angle equal to or nearly equal to the towline, or thrust forces applied directly to the escorted vessel's hull.

Fire Wire means a length of wire rope or chain hung from the bow and stern of a vessel in port to allow the vessel to be towed away from the pier in case of fire; also called fire warp or emergency towing wire.

Heel means the minimum quantity of liquefied natural gas (LNG) retained in an LNG tankship after unloading at the LNG facility to maintain temperature, pressure, and/or prudent operations. A quantity of LNG less than five percent (5 %) of the LNG tankship's carrying capacity shall be presumed to be heel.

Indirect mode means a towing technique defined as a method of operation by which an escorting towing vessel generates towline forces by a combination of thrust and hydrodynamic forces resulting from a presentation of the underwater body of the towing vessel at an oblique angle to the towline. This method increases the resultant bollard pull, thereby arresting and controlling the motion of an escorted vessel.

LNG tankship means a vessel as described in 46 CFR 154.

Made-up means physically attached by cable, towline, or other secure means in such a way as to be immediately ready to exert force on a vessel being escorted.

Make-up means the act of, or preparations for becoming made-up.

Operator means the person who owns, operates, or is responsible for the operation of a facility or vessel.

Savannah River Channel Entrance Sea Buoy means the aid to navigation labeled R W "T" Mo (A) WHIS on the National Oceanic and Atmospheric Administration's (NOAA) Nautical Chart 11512.

Standby means readily available at the facility and equipped to provide a ready means of assistance to maintain a safe zone around LNG tankships, provide emergency firefighting assistance, and aid the LNG tankship in the event of an emergency departure.

Underway means that a vessel is not at anchor, not made fast to the shore, or not aground.

(c) *Applicability.* This section applies to all vessels operating within the RNA, including naval and other public vessels, except vessels that are engaged in the following operations:

- (1) Law enforcement, security, or search and rescue;
- (2) Servicing aids to navigation;
- (3) Surveying, maintenance, or improvement of waters in the RNA; or
- (4) Actively engaged in escort, maneuvering, or support duties for an LNG tankship.

(d) *Regulations*—(1) *Requirements for vessel operations while a LNG tankship, carrying LNG in excess of heel, is underway within the RNA.* (i) Except for a vessel that is moored at a marina, wharf, or pier, and remains moored, no vessel 1,600 gross tons or greater may come within two nautical miles of a LNG tankship, carrying LNG in excess of heel, which is underway within the Savannah River shipping channel without the permission of the Captain of the Port (COTP).

(ii) All vessels less than 1,600 gross tons shall keep clear of transiting LNG tankships.

(iii) The owner, master, or operator of a vessel carrying liquefied natural gas (LNG) shall:

(A) Comply with the notice requirements of 33 CFR part 160. The COTP may delay the vessel's entry into the RNA to accommodate other commercial traffic.

(B) Obtain permission from the COTP before commencing the transit into the RNA.

(C) Not enter or get underway within the RNA if visibility during the transit is not sufficient to safely navigate the channel, and/or wind speed is, or is expected to be, greater than 25 knots.

(D) While transiting the RNA, the LNG tankship, carrying LNG in excess of heel, shall have a minimum of two escort towing vessels with a minimum of 100,000 pounds of bollard pull, 4,000 horsepower and capable of safely operating in the indirect mode. At least one of the towing vessels shall be FiFi Class 1 equipped.

(2) *Requirements while an LNG tankship is moored outside of the LNG facility slip.* (i) An LNG tankship moored outside of the LNG facility slip shall have on-scene a minimum of two escort towing vessels each with a minimum of 100,000 pounds of bollard pull, 4,000 horsepower and capable of safely operating in the indirect mode in order to escort transiting vessels 1,600 gross tons or greater past the moored LNG tankship. At least one of these towing vessels shall be FiFi Class 1 equipped.

(ii) In addition to the two towing vessels required by paragraph (d)(2)(i) of this section, the LNG tankship moored outside of the slip shall have at least one standby towing vessel with a minimum of 90,000 pounds of bollard pull to take appropriate actions in an emergency as directed by the LNG vessel bridge watch required in paragraph (d)(5) of this section.

(3) *Requirements while LNG tankships are moored inside the LNG facility slip.* (i) An LNG tankship moored inside the LNG facility slip shall have two standby towing vessels with a minimum capacity of 100,000 pounds of bollard pull, 4,000 horsepower, and the ability to operate safely in the indirect mode. At least one of these towing vessels shall be FiFi Class 1 equipped. The standby towing vessels shall take appropriate action in an emergency as directed by the LNG vessel bridge watch required in paragraph (d)(5) of this section.

(ii) If two LNG tankships are moored inside the LNG facility slip, each vessel shall provide a standby towing vessel that is FiFi class 1 equipped with a minimum capacity of 100,000 pounds of bollard pull and 4,000 horsepower that is available to assist as directed by the

LNG vessel bridge watch required in paragraph (d)(5) of this section.

(4) *Requirements while LNG tankships are moored both inside the LNG facility slip and outside the LNG facility slip.* (i) When one LNG tankship is moored inside and one LNG tankship is moored outside of the LNG facility slip, the LNG tankship moored outside of the LNG facility slip shall have on-scene a minimum of two escort towing vessels each with a minimum of 100,000 pounds of bollard pull, 4,000 horsepower and capable of safely operating in the indirect mode in order to escort transiting vessels 1,600 gross tons or greater past the moored LNG tankship. At least one of these towing vessels shall be FiFi Class 1 equipped. In addition, the LNG tankship moored inside of the slip shall have at least one standby towing vessel with a minimum of 100,000 pounds of bollard pull, 4,000 horsepower and FiFi Class 1 equipped to take appropriate actions in an emergency as directed by the LNG vessel bridge watch required in paragraph (d)(5) of this section.

(ii) When one LNG tankship is moored outside and two LNG tankships are moored inside the LNG facility slip, the LNG tankship moored outside of the LNG facility slip shall have on-scene a minimum of two escort towing vessels each with a minimum of 100,000 pounds of bollard pull, 4,000 horsepower and capable of safely operating in the indirect mode in order to escort transiting vessels 1,600 gross tons or greater past the moored LNG tankship. At least one of these towing vessels shall be FiFi Class 1 equipped. In addition, the LNG tankships moored inside of the slip shall have at least one standby towing vessel between the two ships with a minimum of 100,000 pounds of bollard pull, 4,000 horsepower and FiFi Class 1 equipped to take appropriate actions in an emergency as directed by the LNG vessel bridge watch required in paragraph (d)(5) of this section.

(iii) In the event of an actual emergency, escort towing vessels can be utilized as stand-by towing vessels to take appropriate actions as directed by the LNG vessel bridge watch required in paragraph (d)(5) of this section.

(5) *Requirements for moored LNG tankships.* (i) While moored within the RNA,

each LNG tankship shall maintain a bridge watch consisting of a docking pilot or licensed deck officer who shall monitor all vessels transiting past the LNG facility. In addition, the LNG Bridge Watch shall communicate with the pilots of vessels greater than 1600 gross tons at the points identified in section (d)(6)(iii) of this section prior to passing the LNG facility in order to take actions of the towing vessel(s) required in paragraphs (d)(2) through (4) of this section.

(ii) While moored within the RNA, LNG tankships shall have emergency towing wires (fire wires) positioned one meter above the waterline, both on the off-shore bow and quarter of the ship. LNG vessels equipped with waterline bollards are exempt from this requirement.

(6) *Requirements for other vessels while within the RNA.* (i) Transiting vessels 1,600 gross tons or greater, when passing an LNG tankship moored outside of the LNG facility slip, shall have a minimum of two towing vessels with a minimum capacity of 100,000 pounds of bollard pull, 4,000 horsepower, and the ability to operate safely in the indirect mode, made-up in such a way as to be immediately available to arrest and control the motion of an escorted vessel in the event of steering, propulsion or other casualty. At least one of the towing vessels shall be FiFi Class 1 equipped. While it is anticipated that vessels will utilize the towing vessel services required in paragraphs (d)(2)(i) and (d)(4)(i) of this section, this section does not preclude escorted vessel operators from providing their own towing vessel escorts, provided they meet the requirements of this part.

(A) Outbound vessels shall be made-up and escorted from Bight Channel Light 46 until the vessel is safely past the LNG dock.

(B) Inbound vessels shall be made-up and escorted from Elba Island Light 37 until the vessel is safely past the LNG dock.

(ii) The requirements in paragraph (d)(6)(i) of this section do not apply when one or more LNG tankships are moored in the LNG facility slip and no LNG tankship is moored at the pier outside of the LNG facility slip.

(iii) Vessels 1,600 gross tons or greater shall make a broadcast on channel 13 at the following points on the Savannah River:

(A) Buoy “33” in the vicinity of Fields Cut for inbound vessels;

(B) Buoy “53” in the vicinity of Fort Jackson for outbound vessels.

(iv) Vessels 1,600 gross tons or greater shall at a minimum, transit at bare steerageway when within an area 1,000 yards on either side of the LNG facility slip to minimize potential wake or surge damage to the LNG facility and vessel(s) within the slip.

(v) Vessels 1,600 gross tons or greater shall not meet nor overtake within an area 1,000 yards on either side of the LNG facility slip when an LNG tankship is present within the slip.

(vi) All vessels less than 1,600 gross tons shall not approach within 70 yards of an LNG tankship, carrying LNG in excess of heel, without the permission of the Captain of the Port.

(vii) Except for vessels involved in those operations noted in paragraph (c) of this section entitled Applicability, no vessel shall enter the LNG facility slip at any time without the permission of the Captain of the Port.

(e) *Waivers.* (1) The COTP may waive any requirement in this section, if the COTP finds that it is in the best interest of safety or in the interest of national security. Such waivers may be verbal or in writing.

(2) An application for a waiver of these requirements must state the compelling need for the waiver and describe the proposed operation and methods by which adequate levels of safety are to be obtained.

(f) *Enforcement.* Violations of this section should be reported to the Captain of the Port, Savannah, at (912) 652-4353. In accordance with the general regulations in §165.13 of this part, no person may cause or authorize the operation of a vessel in the regulated navigation area contrary to the provisions of this section.

[CGD07-05-138, 72 FR 2453, Jan. 19, 2007]